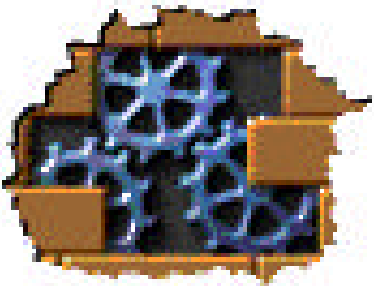# Gregor's controversial thoughts about ~~Grid Programming~~ ~~Globus~~ CoG Kits

Presented by

Gregor von Laszewski

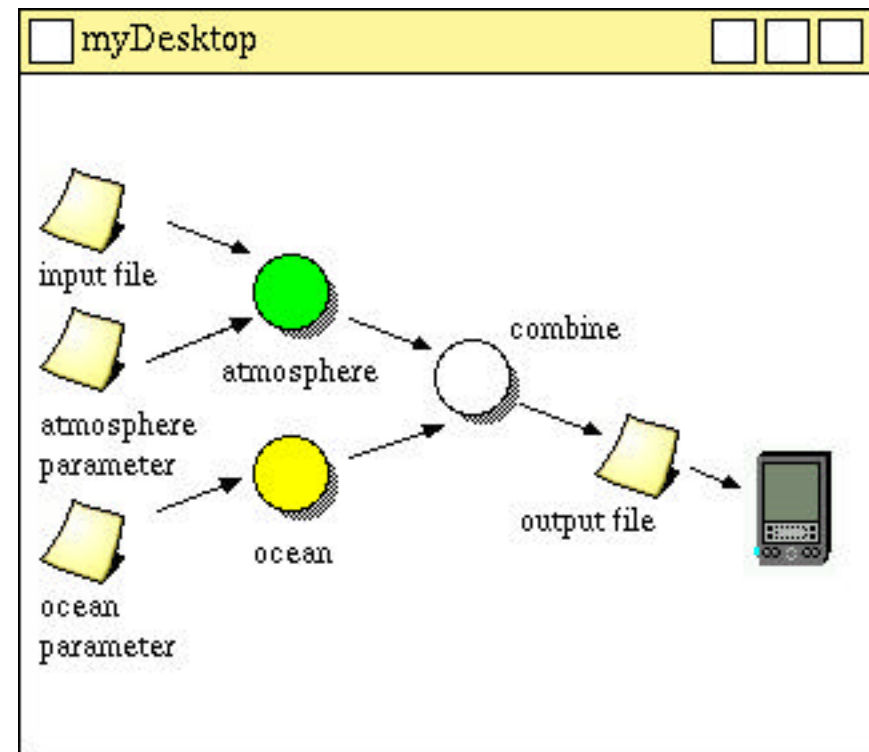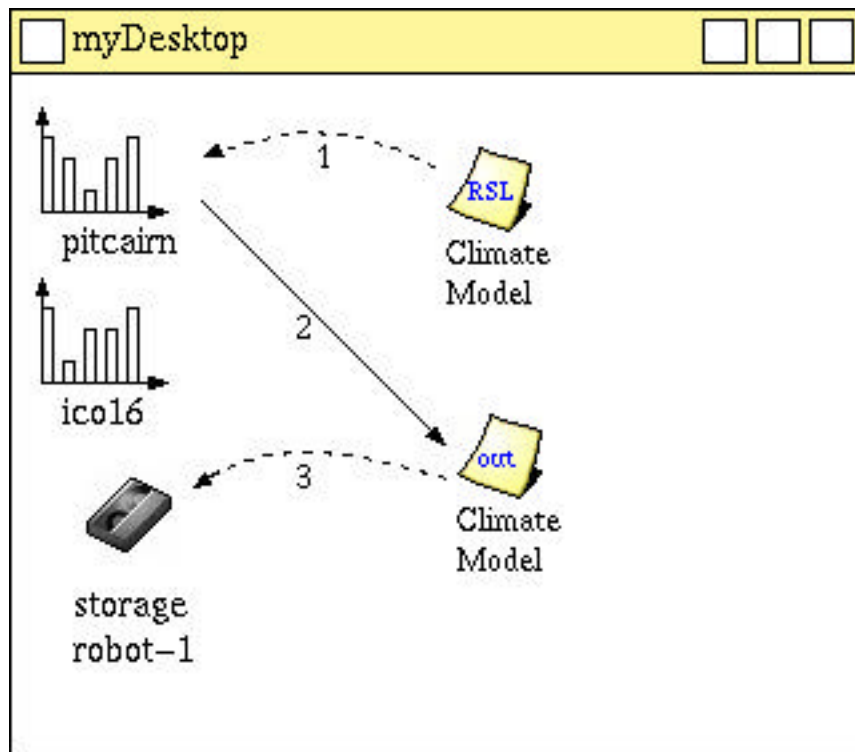Argonne National Laboratory

What a CoG Kit is?

- Grid + commodity technology = CoG Kit
  - Support and simplify Grid Programming

- Grid in our case means mostly Globus ++
  - Where the ++ hopefully gets included in Globus

- Which C-technologies:
  - Java, Python
  - Perl
  - CORBA

  - IDL, C++

We do not develop GUI's ;-)

Why OO technologies?

- Hypothesis or fact?
  - Grid is too complex to consider non object oriented programming for development of many "high" level Grid services
  - New programming paradigms even within the scientific community:
    - HEP, Genome, …

- Why not
  - Perl is great
  - C and sh is portable?
  - Exotic architectures
  - Lets support one base code.
    - Reason: limited manpower
  - Dusty deck; but we can wrap

Why commodity technology X?

- Goal: use technology x
  - List y reasons why to use technology x
  - List y-1 reasons why not to use technology x

- Goal: do not use technology x
  - List y reasons why to use technology x
  - List y+1 reasons why not to use technology x

- See what "diverse" community wants

Java Grande

- Can we do all in Java
- Modification rumors to language
  - IEEE
  - Lightweight objects   (ref python)
  - Complex
- Market presure
  - IBM does not release binary compiler
    - Send mail to IBM!